

FIG. 1

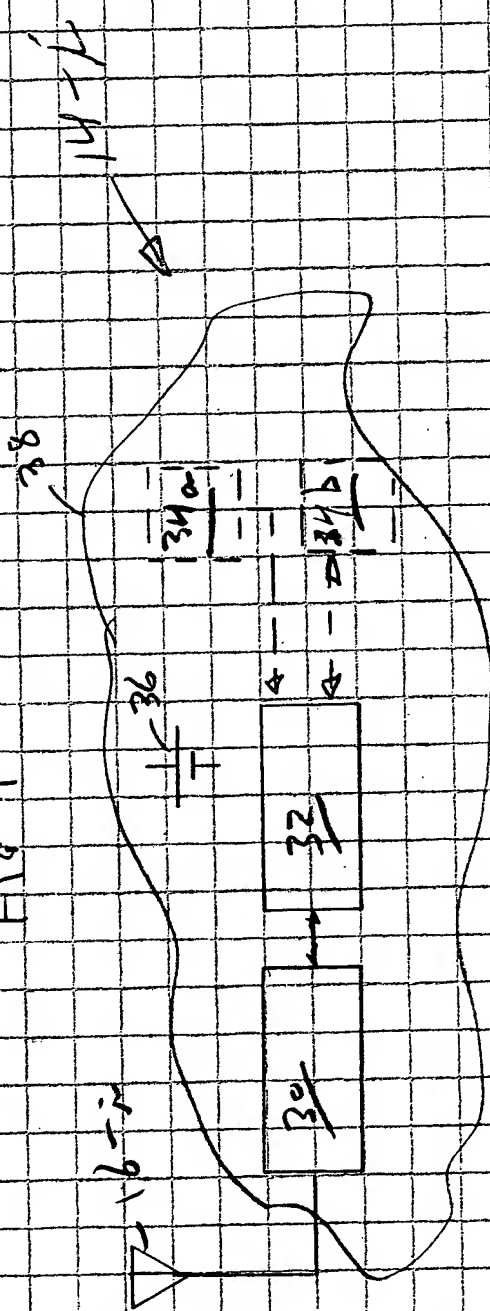


FIG. 1A

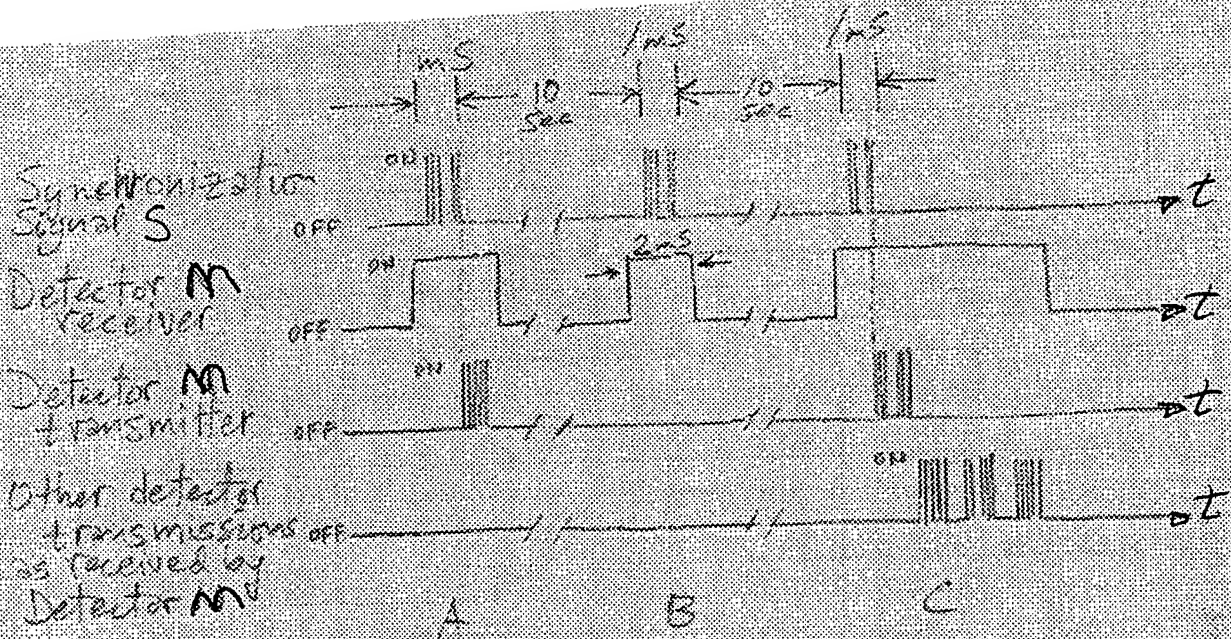
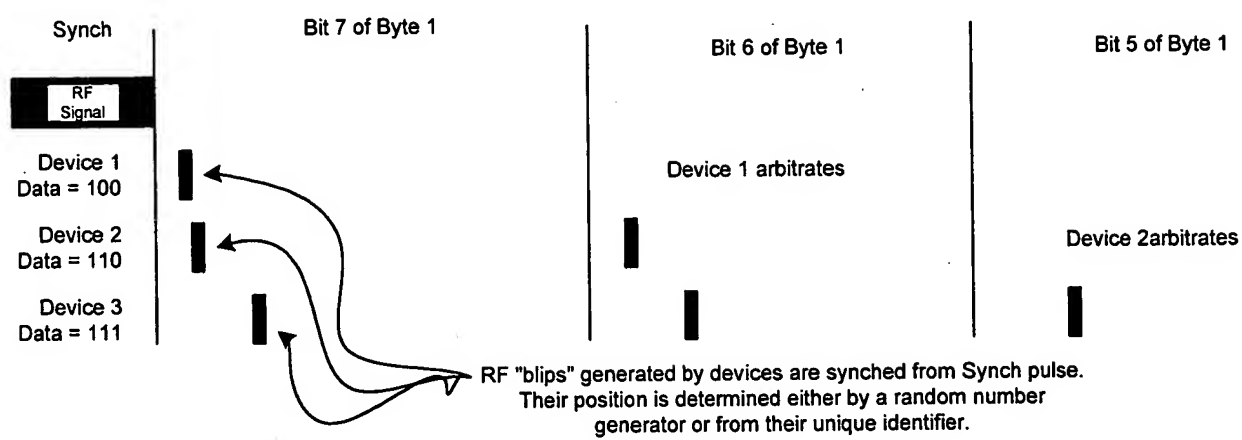


Figure (2)

Devices generate data bits that have different pulse position depending on either a random number or the devices unique ID



Devices generate data bits that have different pulse width depending on either a random number or the devices unique ID

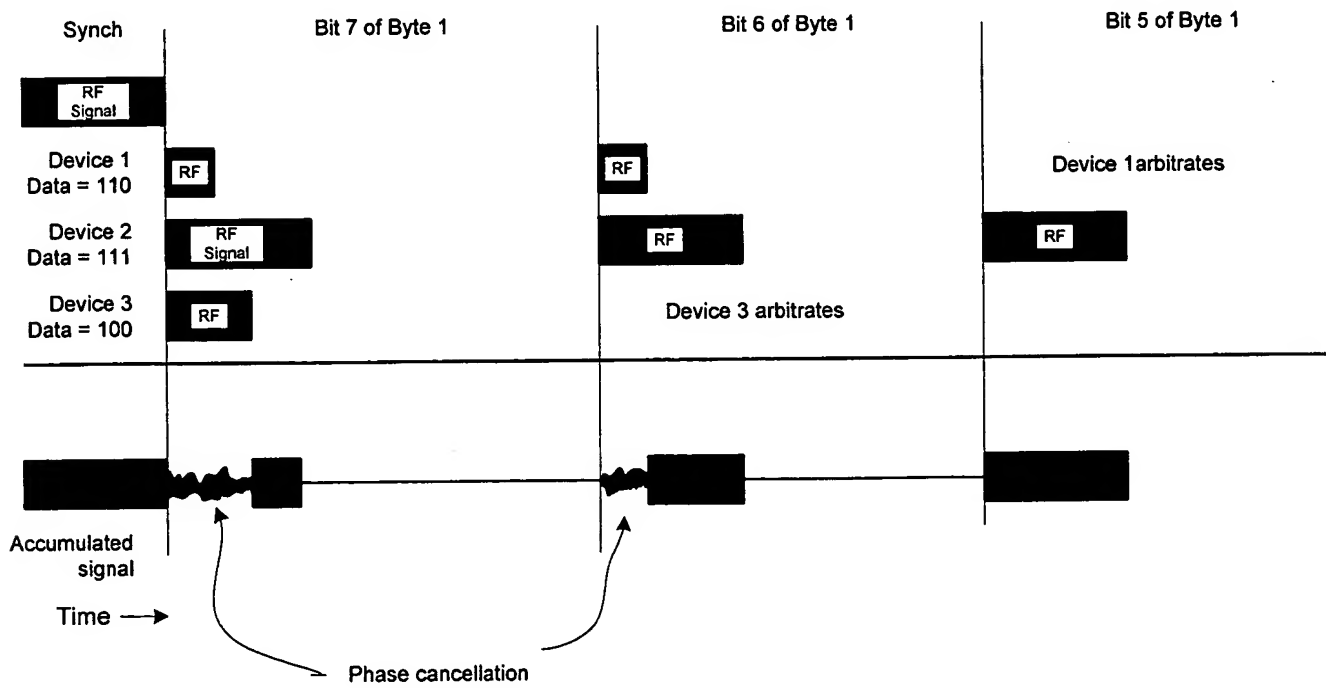
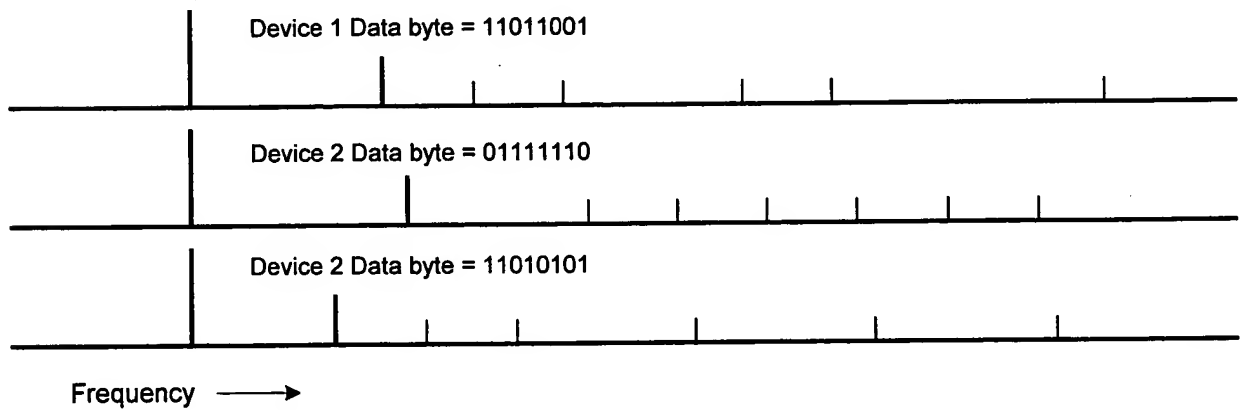
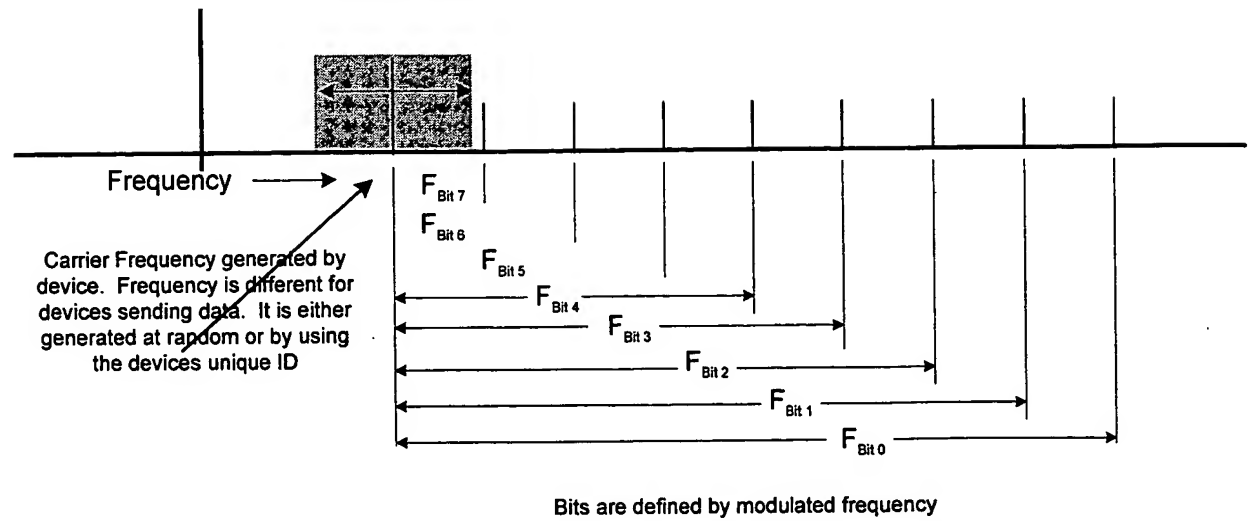


Fig. 3



Devices send a whole byte at a time. At some time after starting to transmit, they monitor their received bytes and perform bit arbitration. If a higher value is detected, they turn off their transmitter. At the end of the byte time, only one device will be communicating.

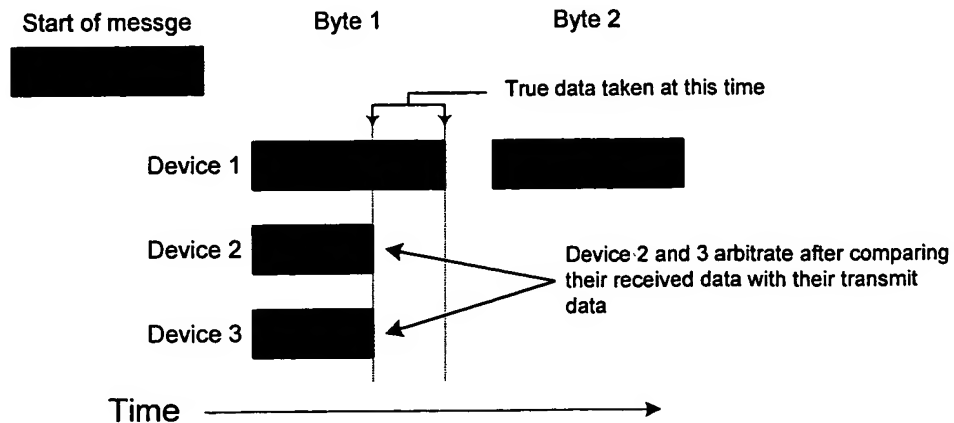


FIG. 4

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